

Institute of National Importance under PMSSY, MoHFW

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ONGOING RESEARCH PROJECTS

S. No	Project code	Principal Investigator	Title	Duration	Date of project sanction	Approved funding grant	Funding agency
Ext	tramural						
1	EM/02/2022	Dr. Bhautik Modi	Patient's perspective on quality of care in private and public health sector along with patient's satisfaction in context with tuberculosis.	9 months	14/02/2023	77,000	Commissionerate of Health, Govt. of Gujarat.
2	EM/03/2022	Dr. Anjali Modi	Postnatal anaemia: situation and combat strategy in Gujarat.	1 Year	14/02/2023	84,000	State Health System Resource Centre, Govt. of Gujarat
3	EM/04/2023	Dr. Ashwini Agarwal	Setting up of Viral Research and Diagnostic Laboratory (VRDL) at AIIMS Rajkot.	5 years	17/02/2023	Non-recurring grant-in aid Rs 1,50,70,000 recurring grant- in aid Rs 46,40,000 (per annum)	Dept. of Health Research, ICMR
5	EM/06/2023	Dr. Ashwini Agarwal	Upgradation of Viral Research and Diagnostic Laboratory to BSL-3	5 years	17/02/2023	Rs 13.95 Crore	Dept. of Health Research, ICMR
6	EM/07/2023	Dr. Krupal Joshi	Association between bidi smoking and cancers in India: Multicentric case control study.	1 year	03/11/2023	30, 000	AIIMS – Gorakhpur
7	EM/08/2024	Dr. Bhavesh Modi	National Mental Health Survey – 2 (NMHS-2)	2 years	23/02/2024	75,00,000	NIMHANS
8	EM/09/2024	Dr. Tarang Patel	National cancer Registry programme Hospital Based Cancer Registry (HBCR)	2 years	23/03/2024	Non-Funded project	National Centre for Disease Informatics and Research, Bengaluru



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9	EM/10/2024	Dr. Gayatri Bhatia	Medical and psychiatric comorbities among patients with alcohol dependence: A multi- centre study from India	2 years	23/02/2024	Non-Funded project	AIIMS New Delhi
10	EM/11/2024	Dr. Krupal Joshi	National Study about Hypertension and Diabetes care and control provided at Health Care facilities in India.	6 months	26/04/2024	40. 000	AIIMS Rishikesh
11	EM/12/2024	Dr. Krupal Joshi	Engagement of Medical Youth to Reduce the Burden of Early Age Onset of Hypertension Disease in India.	1 year	27/05/2024	29, 741 USD	Global Health Advocacy Incubator - USA
12	EM/13/2024	Dr. Mehul Kaliya	Impact cost-effectiveness and sustainability of a synergistic, multipronged, customized, low- cost intervention package (IP) to reduce cardiovascular disease (CVD) burden among diverse populations across india	5 years	11/06/2024	10,64,000	ICRAG-2, ICMR
13	EM/14/2024	Dr. Ashwini Agarwal	Prevalence and determinants of anemia in pregnant women and adolescent girls in gujarat: A biochemical and dietary assessment	l year	05/08/2024	1,21,98,000	State Health Systems Resource Centre, Govt. of Gujarat



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Projects under VRDL

EM/VRDL/1/2024	Dr. Ashwini Agarwal	Molecular Surveillance of Respiratory Viral Infections in Pediatric Patients at AIIMS Rajkot: A Hospital Based Study.	2 years	05/08/2024	VRDL recurring grant	Dept. of Health Research, ICMR
EM/VRDL/2/2024	Dr. Abhishek Padhi	Epidemiological and Molecular Characterization of Incidentally Detected Asymptomatic Hepatitis B Subjects in AIIMS Rajkot	2 years	05/08/2024	VRDL recurring grant	Dept. of Health Research, ICMR
EM/VRDL/3/2024	Dr. Abhishek Padhi	Seasonal Surveillance and Molecular Epidemiology of Influenza Viruses in Rajkot: Implications for Targeted Vaccination Strategies.	2 years	05/08/2024	VRDL recurring grant	Dept. of Health Research, ICMR
EM/VRDL/4/2024	Dr. Ashwini Agarwal	Molecular and Serological Surveillance of Chikungunya Virus in the Rajkot Region: Implications for Public Health and Disease Control	2 years	05/08/2024	VRDL recurring grant	Dept. of Health Research, ICMR
EM/VRDL/5/2024	Dr. Abhishek Padhi	Impact of COVID-19 Pandemic Waves on the Circulation and Evolution of Influenza Strains in Gujarat: An Analysis Using GISAID	1 year 6 months	05/08/2024	VRDL recurring grant	Dept. of Health Research, ICMR
EM/VRDL/6/2024	Dr. Anil Chaudhary	Mumps in the Vaccination era: A hospital- based study on rising cases of mumps amongst the children.	1 year	05/08/2024	VRDL recurring grant	Dept. of Health Research, ICMR
EM/VRDL/7/2024	Dr. Abhishek Padhi	Molecular characterization and Serotyping of Dengue virus Strains in Rajkot Region: Implications for Diagnosis, Treatment, Vaccine Development and the Influence of Climate Change.	2 years	05/08/2024	VRDL recurring grant	Dept. of Health Research, ICMR



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Intr	amural Funded						
1	IM/F/01/2023-24	Dr. Garima Anandani	Spectrum of RBC indices, RBC histogram and HPLC findings in Thalassemia syndromes and Hemoglobinopathies: In Saurastra-Kutch region.	2 years	13/09/2023	4,57,398	AIIMS - RAJKOT
2	IM/F/02/2023-24	Dr. Patnana Arun Kumar	Comparative evaluation of nano hybrid and fibre reinforced composites as post endodontic restorations in primary teeth - A Randomized Controlled Trial	2 Years	13/09/2023	42, 850	AIIMS – RAJKOT
3	IM/F/03/2023-24	Dr. Vinay Chitturi	Biomarkers of Elevated Cognitive Load in a Working Memory.	1 Year	13/09/2023	3, 08, 000	AIIMS - RAJKOT
4	IM/F/04/2023-24	Dr. Amit Sonagra	Exorne sequence analysis of patients with rheumatoid arthritis for identification of potential causal genetic variants.	2 years	13/09/2023	4, 90, 000	AIIMS - RAJKOT
5	IM/F/05/2023-24	Dr. Sagar Dholaria	Usefulness of urinary C- megalin for diagnosis of kidney disease in patients of type-2 diabetes mellitus: a cross-sectional study.	2 years	13/09/2023	4, 49, 000	AIIMS - RAJKOT
6	IM/F/06/2023-24	Dr. Mohit Galani	Effect of final irritant on healing of periapical lesions following single visit endodontics in multirooted Teeth: A Randomized Controlled Trial.	2 Years	13/09/2023	49,000	AIIMS - RAJKOT
7	IM/F/07/2023-24	Dr. Anil Chaudhary	Correlation between Anti-cyclic citrullinated peptide (Anti-CCP) antibody titre and disease severity in Rheumatoid Arthritis	2 years	13/09/2023	1, 10,000	AIIMS - RAJKOT
8	IM/F/08/2023-24	Dr. Anita Motiani	Maternal Vitamin B12 status during pregnancy: Association of low vitamin B12 with markers of oxidative stress- MPO, Ox- LDL & IsoPs	2 years	13/09/2023	4, 44, 150	AIIMS - RAJKOT
9	IM/F/09/2023-24	Dr. Sundeep Charmode	Anthropometric Analysis of Deltoid Muscle and the Underlying and Related Neurovascular structures- A Cadaveric study	2 years	13/09/2023	10,000	AIIMS - RAJKOT



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10	IM/F/10/2023-24	Dr. Sachin Singh	Efficacy and Safety of Oral Vitamin D	2 years	13/09/2023	3, 02, 400	AIIMS - RAJKOT
10	11012025 21	Di. Sueimi Singh	supplementation on pulmonary function	2 years	15/05/2025	5, 02, 100	
			parameters assessed by forced oscillation				
			technique in children with bronchial asthma:				
			A pilot, double blind, randomized trial				
11	IM/F/11/2023-24	Dr. Ragini Singh	Detection of interleukins - 6 and 8 in saliva	2 years	13/09/2023	4, 82, 000	AIIMS –
			as possible biomarkers for oral pre-malignant	-			RAJKOT
			lesions and oral cancer.				
12	IM/F/12/2024-25	Dr. Tarang Patel	PD-L1 Expression on IHC: Predictive	2 years	27/04/2024	1,41,088	AIIMS –
			and Prognostic Significance in Oral				RAJKOT
			Squamous Cell Carcinoma.				
13	IM/F/13/2024-25	Dr. Utsav Parekh	Forensic evaluation of gender variations	1 year	27/04/2024	20,000	AIIMS –
			in digital fingerprint ridge density and				RAJKOT
			influence of hand dimensions in Gujarati				
			ethnicity.				
14	IM/F/14/2024-25	Dr. Pradip chauhan	Histological study of the	2 years	27/04/2024	1,59,425	AIIMS –
		_	intrahippocampal blood vessels, cerebral	-			RAJKOT
			mass and proposing a new classification				
			of the cerebrovascular branching pattern				
			in humans.				
15	IM/F/15/2024-25	Dr. Abhishek Padhi	Clinical and molecular correlates of	2 years	27/04/2024	3,75,000	AIIMS –
			metronidazole resistance in Trichomonas	5		<i>, ,</i>	RAJKOT
			vaginalis: A cross - sectional study.				
16	IM/F/16/2024-25	Dr. Pradip Barde	Predicting anemic status from clinical site	2 years	27/04/2024	19,372	AIIMS –
		1	images using Artificial Intelligence.	5		,	RAJKOT
17	IM/F/17/2024-25	Dr. Parth Goswami	Statistical comparison of basic coagulation	2 years	27/04/2024	1,08,771	AIIMS –
			and platelet parameters among type 2				RAJKOT
			Diabetic patient with microvascular				
			complication, without complication and non-				
			Diabetic persons at tertiary care Institute - A				
			Cross-sectional comparative study.				



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18	IM/F/18/2024-25	Dr. Mayuri Bhise	Evaluation of Anti-HBs antibody titres and assessing the immune response among healthcare workers vaccinated against Hepatitis B in AIIMS Rajkot.	2 years	27/04/2024	1,20,000	AIIMS – RAJKOT
19	IM/F/19/2024-25	Dr. Gyanendra Singh	Assessment of tumour micro - environment and clinicopathological significance of T- regulatory cell markers foxp3 and ctla - 4 expression in patients with oral squamous cell carcinoma.	2 years	27/04/2024	1,85,783	AIIMS – RAJKOT
20	IM/F/20/2024-25	Dr. Kapil Jetha	A study on the relation between headache severity with Serum Vitamin D and Magnesium levels in children with recurrent Primary headache.	2 years	27/04/2024	1,42,508	AIIMS – RAJKOT
21	IM/F/21/2024-25	Dr. Pinky Meena	Lipoprotein a level and its correlates, in children and adolescents of Saurashtra region in India: Cross Sectional Study.	1 year	27/04/2024	2,91,585	AIIMS – RAJKOT
22	IM/F/22/2024-25	Dr. Patnana Arun Kumar	Evaluating the disinfection effectiveness of two different irrigation needles in primary teeth - A Randomized Controlled Trial.	2 years	27/04/2024	1,24.077	AIIMS – RAJKOT
23	IM/F/23/2024-25	Dr. Medhavi Sharma	Mapping heterogeneity in polycystic ovarian syndrome: Integrating clinical, endocrinological, body composition analysis and vagosympathetic tone - A prospective pilot study.	2 years	27/04/2024	3,63,845	AIIMS – RAJKOT
24	IM/F/24/2024-25	Dr. Punkhuri Dubey	Clinico-mycological trends in vulvovaginal candidiasis identified in Gynecology Outpatient at AIIMS Rajkot.	2 years	27/04/2024	1,05,698	AIIMS – RAJKOT
25	IM/F/25/2024-25	Dr. Anjali Modi	A mixed-methods research on prevention and perception of cancers in women among health care providers in India.	18 months	27/04/2024	26,000	AIIMS – RAJKOT
26	IM/F/26/2024-25	Dr. Ramotra Rohini Krishan	Ophthalmic artery doppler in the prediction of late onset Pre Ecampsia.	2 years	27/04/2024	58,282	AIIMS – RAJKOT



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27	IM/F/27/2024-25	Dr. Rohin Garg	Exploring the relationship of	2 years	27/04/2024	15,000	AIIMS –
			anthropometrics, body composition				RAJKOT
			characteristics and muscle endurance as				
			correlated factors of static balance among				
			adult population.				

Int	ramural Non-Fund	ed					
1	IM/NF/02/2024-25	Dr. Yashdeep Pathania	To Study the prevalence of Anti-tyroid Peroxidase antibodies and C-Reactive protein serum levels in patients with late onset vitiligo.	2 years	27/04/2024	NA	NA
2	IM/NF/03/2024-25	Dr. Akshat Gupta	Sensitivity of Measurements Taken in the Anteroposterior View Versus Those in the Flexion Posteroanterior View to the Extent and Severity of Knee Osteoarthritis: A Double-Blind Randomized Control Trial.	2 years	27/04/2024	NA	NA
3	IM/NF/04/2024-25	Dr. Garima Upreti	Assessment of Vestibular and Balance Function in Diabetes Mellitus patients without Dizziness/Vertigo Symptoms.	1 year	27/04/2024	NA	NA
4	IM/NF/05/2024-25	Dr. Mamta Singh	Visual field defect in Indian driving license holding population: A hospital- based study.	1 year	27/04/2024	NA	NA
5	IM/NF/06/2024-25	Dr. Abhishek Mishra	Does thermotheraphy lead to decresed analgesic requirement in patients with osteoarthritis of knee managed non- surgically.	1 year	27/04/2024	NA	NA
6	IM/NF/07/2024-25	Dr. Bhautik Modi	Evaluation of Universal Immunization Program under Co-WIN (U-WIN) initiative with reference to routine Immunization program.	1 year 6 months	27/04/2024	NA	NA



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7	IM/NF/08/2024-25	Dr. Sumit Bansal	Efficacy and safety of oral Magnesium vs. oral zinc in the post - operative sore throat (POST): A prospective, randomized, Double - blind, placebo - controlled study.	2 years	27/04/2024	NA	NA
8	IM/NF/09/2024-25	Dr. Kedar Nimavat	Analysis of clinical profile of patients aged more than 8 years with dry eye disorder attending tertiary care centre eye OPD.	1 year	27/04/2024	NA	NA
9	IM/NF/10/2024-25	Dr. Lalit kumar Ratanpara	Radiological study for determining a better parameter between Critical Shoulder Angle and Acromio-Glenoid Angle for predicting development of Glenohumeral joint Osteoarthritis.	2 years	27/04/2024	NA	NA
10	IM/NF/11/2024-25	Dr. Jyotiranjan Das	A comparative study of otologic clinical presentations and endoscopic grading adenoid hypertrophy.	1 year 2 months	27/04/2024	NA	NA
11	IM/NF/12/2024-25	Dr. Anjali Modi	Epidemiological study of Urolithiasis in Saurashtra Region of Western India.	1 year	09/08/2024	NA	NA
12	IM/NF/13/2024-25	Dr. Utsav Parekh	Assessment of bone age using radiographs of knee joint in indigenous people of Gujarat.	1 year 6 months	09/08/2024	NA	NA
13		Dr. Abhilasha Motghare	The impact of two different positions to achieve target preoxygenation using four vital capacity deep breathing technique – A randomized controlled trial.	1 year	09/08/2024	NA	NA
14	IM/NF/15/2024-25	Dr. Urmila Sunda	Assessing the fetal adrenal artery doppler, adrenal size, and umbilical artery doppler as novel marker of placental insufficiency and intrauterine Growth-Restriction: A Case-control study analysis.	2 years	09/08/2024	NA	NA



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15	IM/NF/16/2024-25	Dr. Garima Upreti	Non-Invasive neuromodulation for Tinnitus management: Comparative Evaluation of Transcutaneous Auricular Vagal Nerve stimulation and Transcranial Direct Current Stimulation Modalities.	2 years	09/08/2024	NA	NA
16	IM/NF/17/2024-25	Dr. Anita Saran	Comparison of Two Different doses of dexamethasone for attenuation of Post Spinal Anaesthesia Hypotension: A Prospective, Randomized, Double-blind, Clinical Study.	2 years	09/08/2024	NA	NA
17	IM/NF/18/2024-25	Dr. Mohit Galani	Outcome of full pulpotomy compared to root canal treatment in cariously exposed mature permanent teeth with signs of symptomatic irreversible pulpitis and apical radiolucency: A randomized controlled trial.	2 years	09/08/2024	NA	NA

Departmental Non-Funded								
1	D/14/2022	Dr. Sanjay Gupta	Impact of Basic Course in Bio- Medical Research on Medical Teachers and post - graduate students across India after Amendment Implemented by National Medical Commission.	18 months	09/07/2022	NA	NA	
2	D/18/2022	Dr. Pradip B. Barde	Comparative assessment of association of autonomic function, psychological parameters and lung function test with body composition amongst the police personnel and general population in Rajkot	2 years	09/07/2022	NA	NA	



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3	D/21/2022	Dr. Suman Bodat	School Based interventional study on Mosquito borne diseases awareness and control in Rajkot City.	6 months	09/07/2022	NA	NA
4	D/26/2022	Dr. Naresh Parmar	Prevalence of Risk of Obstructive Sleep Apnoea (OSA) in general population in the western region of Gujarat.	2 years	17/03/2023	NA	NA
5	D/27/2022	Dr. Shubha Singhal	Doctor- patient communication practices: A cross-sectional survey on Indian Physicians.	12 months	14/02/2023	NA	NA
6	D/29/2022	Dr. Krupal J. Joshi	Comparison of Ice Lined Refrigerators of the different types used in Gujarat under the Universal Immunization Program.	14 months	17/03/2023	NA	NA
7	D/31/2022	Dr. Pradip Chauhan	Impact of Immersive Virtual Reality in conceptualization of Anatomy.	1 year	14/02/2023	NA	NA
8	D/32/2022	Dr. Garima Upreti	Pattern of recreational noise exposure in youth.	1 year	14/02/2023	NA	NA
9	D/34/2023	Dr. Mamta Singh	Should the perimetry test be made essential before issuing/renewing a driving license?	1 year	17/03/2023	NA	NA
10	D/35/2023	Dr. Deepak Parchwani	Verification of reference interval of various clinical chemistry tests using patient results with KOSMIC and Hoffmans indirect methods	1 year	14/02/2023	NA	NA



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11	D/36/2023	Dr. Sweta Soni	Assessment of 5 A's of Human Papilloma Virus (HPV) Vaccination: Awareness, Attitude, Apprehension, Action expected and Acceptability Amongst Health Care Provider, Medical Students, Para-Medical and Administration Staff in AIIMS Rajkot.	05 months	29/04/2024	NA	NA
12	D/37/2023	Dr. Sagar Dholariya	Unveiling the utility of AI for prediction diagnosis and progression of kidney disease in patients with type 2 diabetes melitus: An evidence based systematic review.	06 months	29/04/2024	NA	NA
13	D/38/2023	Dr. Aishwarya Tejan Bhatt	Central compartment atopic diease: phenotypic charctrization amongst chronic Rhinosinusitis patients	06 months	29/04/2024	NA	NA
14	D/39/2023	Dr. Patnana ArunKumar	Effectivness of hand and rotary instrumentations during biomechanical preparation in primary teeth - An umbrella review.	1 Year	29/04/2024	NA	NA
15	D/40/2023	Dr. Praful Pujari	Comparison of efficacy of 4% Articaine & 2% Loidocaine in maxillary buccal infiltration during dental procedures - A systematic review.	1 Year	29/04/2024	NA	NA
16	D/41/2023	Dr. Aditya Kulkarni	Accuracy of static and dynamic computer assisted implant surgery: systematic review.	1 Year	29/04/2024	NA	NA
17	D/42/2023	Dr. Garima Anandani	Gamification in pathology: mode of improving the subject understanding and academic performance of Indian medical undergraduates at AIIMS - Rajkot.	1 Year	29/04/2024	NA	NA
18	D/43/2023	Dr. Abhilasha Motghare	Comparison of Peytons method versus video- based demonstration method to teach endotracheal intubation to final year medical undergraduate students.	1 Year	29/04/2024	NA	NA



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19	D/44/2024	Dr. Gayatri Bhatia	Sucide literacy among healthcare professionals in India: A cross-sectional study.	1 year 6 months	09/08/2024	NA	NA
20	D/45/2024	Dr. Shivani Lashkari	Urility of Narrow Band Imaging for Characterization of Laryngopharyngeal Reflux.	6 months	09/08/2024	NA	NA
21	D/46/2024	Dr. Praggya Mishra	Comparative Analysis of GQL-15 and NEIVFQ-25 Questionnaires for Assessing Quality of Life in Indian Glaucoma Patients: Feasibility and Efficacy Evaluation.	12 months	09/08/2024	NA	NA
22	D/47/2024	Dr. Mamta Singh	Retrospective analysis of clinical records to determine the efficacy of eye irrigation as the primary treatment for coreneal foreign bodies in a hospital setting.	2 months	09/08/2024	NA	NA
23	D/48/2024	Dr. Ragini Singh	From concepts to Applications of Artificial Intelligence: Leveraging Molecular Biology for Practical Bioinformatics Education at the Undergraduate Medical Level.	6 months	09/08/2024	NA	NA
24	D/49/2024	Dr. Mohit Galani	Effectiveness of activated irrigation compared to conventional (nonactivated) needle irrigation on postopeative pain reduction in adult patients after single visit root canal treatment: A Systematic review and Metanalysis.	1 year	09/08/2024	NA	NA



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25	D/50/2024	Dr. Charmi Bhimbha	A Study of knowledge and attitude of anesthetist towards artificial intelligence.	6 months	09/08/2024	NA	NA
26	D/51/2024	Dr. Archan K Dhanesha	Effectiveness of different chelating agents and agitation techniques in removal of different forms of calcium hydroxide: An in vitro CBCT volumetric analysis.	1 year	09/08/2024	NA	NA
27	D/52/2024	Dr. Ahir Palak Dilipbhai	Anaesthesiologist and Anaesthesiology Techniques – How aware are the patients and attendants in a tertiary care hospital?	6 months	09/08/2024	NA	NA
28	D/53/2024	Dr. Aakanksha Raval	What after anaesthesia? A survey about the practice of post-anaesthesia visit by resident anaesthesiologists	6 months	09/08/2024	NA	NA
29	D/54/2024	Dr. Rima Shah	Pharmacoeconomic analysis to determine the relative cost-effectiveness of drugs used for primary open-angle glaucoma/ocular hypertension.	1 year	09/08/2024	NA	NA
30	D/55/2024	Dr. Jyotiranjandas	Contralateral ear evaluation in unilateral chronic otitis media: clinical, audiological, and radiological perspectives	1 year	09/08/2024	NA	NA
31	D/56/2024	Dr. Gaurav Sharma	Transcutaneous Auricular vagus nerve stimulation and neurocognitive processing: Investigating the effect of Transcutaneous Auricular vagus nerve stimulation on P300 Event-related potential in Auditory Oddball paradigms.	2 years	09/08/2024	NA	NA



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